

Siegmundsburg Seminar on Analysis & Theoretical Numerics

August 28 - 30, 2023, Siegmundsburg/Thuringia

Monday, August 28, 2023

individual travelling to Siegmundsburg

- 13:00 – 14:00 *Lunch*
- 14:30 – 15:15 **Marc Hovemann** (Marburg)
"Triebel-Lizorkin-Morrey Spaces and Oscillations"
- 15:15 – 16:00 **Kai Lüttgen** (Chemnitz)
"Half-Period Cosine Decomposition of Product-Type Function Spaces"
- 16:00 – 16:30 *Coffee break / Poster session*
- 16:30 – 17:15 **Romaric Kana Nguedia** (Mittweida/Jena)
"Smoothing properties of the fractional Gauss-Weierstrass semi-group in Morrey smoothness spaces"
- 17:15 – 18:00 **Dalimil Peša** (Prague)
"On the properties of quasi-Banach function spaces"
- 18:30 – 19:30 *Dinner*

Tuesday, August 29, 2023

- 8:00 – 9:00 *Breakfast*
- 9:00 – 9:45 **Ladislav Drážný** (Prague)
"Optimal function spaces in weighted Sobolev embeddings with monomial weight"
- 9:45 – 10:30 **Pascal Schröter** (Chemnitz)
"High dimensional approximation with partially periodic boundary conditions"
- 10:30 – 11:00 *Coffee break*
- 11:00 – 11:45 **Bernd Käßemodel** (Chemnitz)
"Complexity of numerical problems on quantum computers"
- 11:45 – 12:30 **Simon Murmann** (Jena)
"The BMS-Conjecture about L^p -positivity preserving manifolds"
- 12:30 – 13:30 *Lunch*
- 13:45 – 18:30 *Hiking tour*
- 19:00 – 20:00 *Dinner*

Wednesday, August 30, 2023

8:00 – 9:00 *Breakfast*

9:00 – 9:45 **Thomas Jahn** (Eichstätt/Ingolstadt)
"Sampling number of smoothness classes via ℓ^1 -minimization"

9:45 – 10:30 **Moritz Moeller** (Chemnitz)
"Tractable s -numbers of mixed Wiener spaces"

10:30 – 11:00 *Coffee break*

11:00 – 11:45 **Marcel Koch** (Jena)
"Feature Selection for Material Science using Lasso Optimization"

11:45 – 12:30 **Daan van Dijk** (Jena)
"Pseudodifferential boundary problems and transmission spaces"

12:30 – 13:15 *Lunch*
departure from Siegmundsburg

Poster session

Markus Weimar (Würzburg) *"Oscillations and Differences in Triebel-Lizorkin-Morrey Spaces"*